

# Information filtering apparatus for use in electronic library, corrects user profile for every user group based on feedback received from user

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Patent Details:

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Abstract (Basic): JP 2000105766 A

NOVELTY - Information to be delivered (3) to user is selected from database (7) based on user profiles stored in profile storage unit (1). The feedback about information received from the user is collected (4) and a user group assembling user with similar demands is formed by production unit (5). User profile is corrected (6) according to the collected feedback and the accuracy of correction is evaluated.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) information filtering method;

(b) program product

USE - For use in electronic library world wide web.

ADVANTAGE - Filtering accuracy at the time of performing feedback is tested and effective user group is produced.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of components of information filtering apparatus.

Profile storage unit (1)

Information delivering unit (3)

Collection unit (4)

Production unit (5)

User profile correction unit (6)

Database (7)

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JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

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(54) **DEVICE AND METHOD FOR INFORMATION  
FILTERING, AND STORAGE MEDIUM**

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(57) Abstract:

**PROBLEM TO BE SOLVED:** To allow the number of users to be increased and to obtain a relevance feedback which is effective to the individual users by generating user groups according to gathered feedback information and correcting user profiles for every user group according to the gathered feedback information.

**SOLUTION:** An information selection part 2 select information which seems to be proper out of an information data base 7 according to an initial user profile stored in a user profile storage part 1 and passes it to an information presentation part 3. A user group generation part 5 generates user groups wherein users who are similar in request and interest are gathered according to feedback information from the respective users. A user profile correction part 6 provides relevance feedback by the user groups and stores corrected user profiles in the user profile storage part 1.

